## THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

A gaming machine graphics package, the graphics package including
a storage device for storing data relating to non-varying parts of an
image, the non-varying parts of the image being independent of an outcome
 of a game played on the gaming machine;

an image generating means for generating simulated three-dimensional additional parts of the image, the additional parts being dependent on the game outcome; and

a compositing means for merging the non-varying parts of the image 10 and the additional parts of the image to provide to the player a composite image relating to the game outcome.

- 2. The graphics package of claim 1 in which non-varying parts of the image which are the same for all possible outcomes are pre-rendered and stored in the storage device.
  - 3. The graphics package of claim 2 in which the simulated threedimensional images are generated using 3D computer rendering software.
- 20 4. The graphics package of claim 3 in which, from the game outcome, the relevant simulated three-dimensional images are generated and mapped to appropriate locations in the non-varying parts of the image to be composited and displayed to the player as a composite image dependent on the game outcome.

- 5. The graphics package of claim 2 in which the compositing means is a Z-buffer compositor.
- 6. The graphics package of claim 5 in which the pre-rendered image is created with a Z-buffer depth value for each pixel in every scene of the image.
- 7. The graphics package of claim 6 in which Z-buffer data are loaded into a real time 3D video card for each frame of the image, the additional 3D objects being composited into the image using 3D techniques and using the Z-buffer data loaded with the image.

- 8. The graphics package of claim 7 in which the 3D objects appear in the image according to their Z positions.
- 9. The graphics package of claim 2 in which the compositing means 5 employs an alpha channel.
  - 10. The graphics package of claim 9 in which the image is separated into those parts which are pre-rendered and those that are drawn using real time 3D.

- 11. The graphics package of claim 10 in which, when an animation image is created, each pixel in a final output is output with additional information about alpha-channel values and a material value or object identification (ID).
- 15 12. The graphics package of claim 11 in which the material value or object ID is used to identify those pixels which are part of the pre-rendered image and those which will be generated in real time by a 3D engine.
- 13. The graphics package of claim 12 in which a post-processing stage in an output file modifies the image alpha channel to mask out or include the real-time 3D parts of the image.
- 14. The graphics package of claim 11 in which some pixels in the original image have an intermediate alpha value, better to merge the separate25 elements of the image together.
  - 15. The graphics package of claim 10 in which, when creating the image, the real-time parts of the image are generated using a pure white surface.
- 30 16. The graphics package of claim 15 in which effects applied to this surface are also applied to the real-time generated pixels in the final output.
- 17. The graphics package of claim 2 in which some properties of the real-time 3D objects are pre-rendered and combined with the 3D object as it is35 being drawn on screen.

18. A method of presenting a game outcome of a game played on a gaming machine to a player, the method including the steps of

storing data relating to non-varying parts of an image in a storage device, the non-varying parts of the image being independent of an outcome of a game played on the gaming machine;

generating simulated three-dimensional additional parts of the image, the additional parts being dependent on the game outcome; and

compositing the non-varying parts and the additional parts of the image to provide a composite image relating to the game outcome to the player.

- 19. The method of claim 18 which includes rendering the simulated 3D images in real time and compositing them with the non-varying images in real time.
- 15 20. The method of claim 18 which includes, prior to displaying a game outcome and its associated images to the player, determining the game outcome.
- 21. The method of claim 20 which includes, from the game outcome,
  20 generating the relevant simulated three-dimensional images and mapping
  them to appropriate locations in the non-varying parts of the image to be
  composited and displayed to the player as a composite image dependent on
  the game outcome.
- 25 22. The method of claim 18 which includes using Z-buffer compositing.
  - 23. The method of claim 22 which includes creating a pre-rendered image with a Z-buffer depth value for each pixel in every scene of the image.
- 30 24. The method of claim 23 which includes loading the Z-buffer data into a real time 3D video card for each frame of the image.
- The method of claim 24 which includes compositing additional 3D objects into the image using 3D techniques and using the Z-buffer data
   loaded with the image.

- 26. The method of claim 18 which includes creating an alpha channel as a compositing technique.
- 27. The method of claim 26 which includes separating the image into those parts which are pre-rendered and those that are drawn using real time 3D.
  - 28. The method of claim 27 which includes outputting each pixel in a final output with additional information about alpha-channel values and a material value or object identification (ID).

- 29. The method of claim 28 which includes using the material value or object ID to identify those pixels which are part of the pre-rendered image and those which will be generated in real time by a 3D engine.
- 15 30. The method of claim 29 which includes using a post-processing stage in an output file to modify the image alpha channel to mask out or include the real-time 3D parts of the image.
- 31. The method of claim 18 which includes pre-rendering some properties 20 of the real-time 3D parts of the image and combining them with the 3D parts of the image as the image is being drawn on screen.